From: Dave Larsen <dlarsen@reiengineering.com>

Sent: Monday, October 28, 2019 1:17 PM

To: Stoltz, Carrie R - DNR

Subject: Tower Standard - Cost proposal for abandonment of MW18@35-40

Attachments: Abandonment #2.pdf

Follow Up Flag: Follow up

Due By: Tuesday, October 29, 2019 7:00 AM

Flag Status: Completed

Carrie, cost approval request to abandon by over drilling MW18@35-40. The intent is to recover for proper disposal any displaced liquids during the grouting process. Additionally all soil cuttings generated will be containerized and also disposed of properly. Please let me know if you have any questions or concerns regarding this cost approval request.

Thank you,

David N. Larsen P.G

Senior Hydrogeologist / Professional Geologist



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Usual and Customary Standardized Invoice #26 July 2019 - December 2019





 PECFA #: 54538-9514-67
 Vendor Name: REI

 BRRTS #: 03-64-127899
 Invoice #: Invoice #: 10-28-19 Proposal Date
 U&C Total \$ 2,601.48

 Site Name: Site Address: 14267 Hwy 70, Lac du Flambeau
 Invoice Date: 10-28-19 Proposal Date
 Variance to U&C Total \$ 3,447.76

 Grand Total \$ 6,049.24
 Grand Total \$ 6,049.24

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	١	MAX UNIT COST	UNITS		TOTAL MAX
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$	141.24		2 \$	282.48
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$	43.37		1 \$	43.37
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$	111.39		4 \$	445.56
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$	316.47		2 i	incremental
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$	162.86		1 \$	162.86
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$	398.48		1 \$	398.48
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$	56.78		5 \$	283.90
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$	295.80		2 \$	591.60
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$	393.23		1 \$	393.23
Variance	Well Abandonment				Variance		\$3,447.76		1 \$	3,447.76

Table 1
Variance Request
10-28-19 Proposal Date
Well Abandonment
Tower Standard

Description	Task	Quantity	Unit Cost	Event	Events	Total Cost
Overdrill MW18@35-40 Commodity cost to overdrill MW18@35-40 (Gestra)		1	\$2,770.00	\$2,770.00	1	\$2,770.00
REI Site Time	hour	6	\$112.96	\$677.76	1	\$677.76
						\$3,447.76



GESTRA Engineering, Inc.

191 W. Edgerton Avenue Milwaukee, WI 53205

Phone: (414)-933-7444 Fax: (414) 933-7844

Break Down of Contract Drilling Services

Lac Du Flambeau Over-Drilling Abandonment

Project: Proposal Number: Site Location:

P19389-60

14267 Highway 70 West, Lac Du Flambeau, WI 10/28/2019

Date:

Client

REI Engineering

Mileage r/t: Estimated By: N/A TRW Attn: Dave Larsen, P.G.

		Estimate B	ased on th	ie Request fo	or Proposal
Soil Borings	Units	Unit Price	Quantity	Total Cost	Assumptions
Mob/Demobilization	Daily	\$850,00	1	\$850,00	
Water/Support Truck	Daily	\$300,00	1	\$300.00	
Protective Cover Removal	Each	\$85.00	0	\$0.00	Remove cover, cut down to 30 inches below ground surface.
Bollard Removal	Each	\$75.00	0	\$0.00	
Over Drilling of Well 0-25'	Lineal Foot	\$15.00	25	\$375.00	
Over Drilling of Well 25'-40'	Lineal Foot	\$17.00	15	\$255.00	
Well Abandonment (Grout)	Lineal Foot	\$8.50	40	\$340.00	Liquid grout.
Generator and Jack Hammer Rental	Day	\$200.00	0	\$0.00	Remove existing covers.
Containerize Abandonment Liquids	Lump Sum	\$150.00	1	\$150.00	
Matting for Lawn Protection	Day	\$200.00	1	\$200.00	
D.O.T. Drums	Each	\$75.00	0	\$0.00	Provided by REI
Restore Surface at Well	Each	\$75.00	0	\$0.00	To be done by REI
Disposal of Abandonment Materials	Lump Sum	\$50.00	1	\$50.00	
Per Diem	Daily	\$250.00	1	\$250.00	
22	Total Estimated	Project Cost		\$2,770.00	
			Transaction of the last		
			Addition	al Services	
	Units	Unit Rate	Quantity	Total Est.	Assumptions
		Total		\$0.00	
This quotation is an estimate and is not a lump ser Quotation Prepared By: Fimothy R. Winkler, Drilling Mana		pe right to charg	e for services a	s performed accordin	g to the attached fee achodule. Quotation Accepted By:
Print Name and Position	6				
Thit Name and Position					Print Name and Position
	ful				Print Name and Position
Amits Re	ful				Print Name and Position Signature